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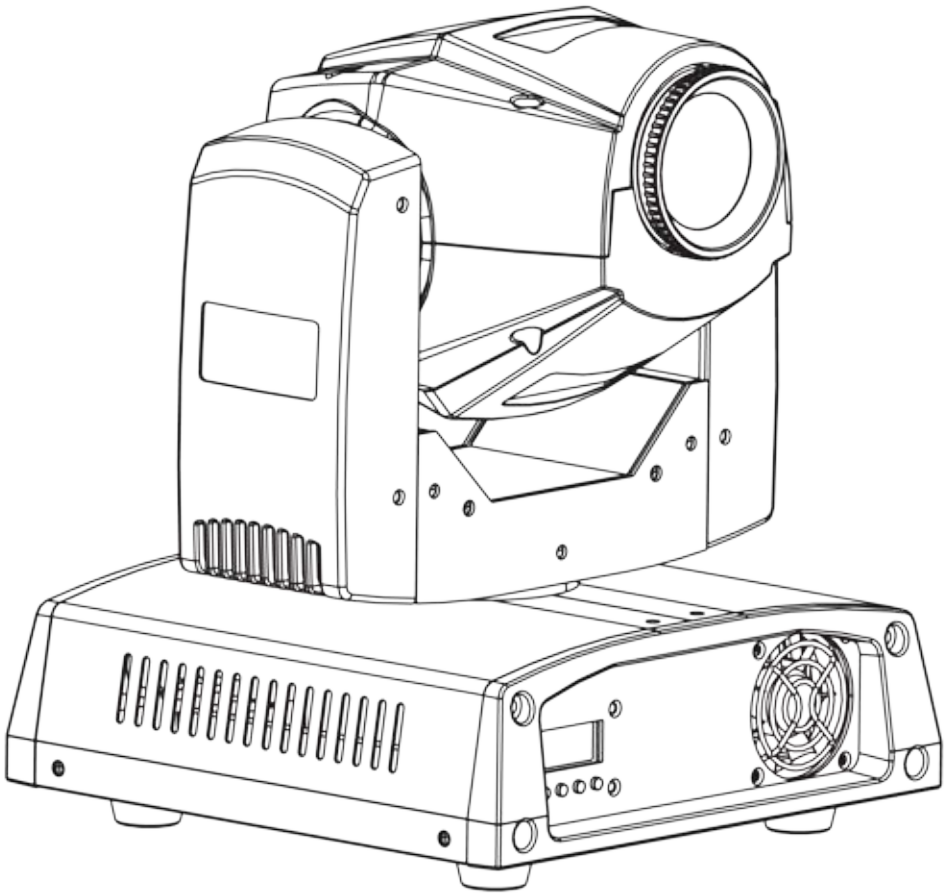
INTIMIDATOR™
SPOT LED 150

User Manual



CHAUVET®
Value · Innovation · Performance
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Document Information

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1. BEFORE YOU BEGIN

What Is Included

- 1 x Intimidator™ Spot LED 150
- 1 x Mounting Bracket
- 2 x Mounting Bolts
- 1 x Safety Eyebolt
- 1 x Power Cord
- 1 x Warranty Card
- 1 x User Manual

Unpacking Instructions

Immediately upon receiving this product, carefully unpack it and check the container in which you received it. Make sure that you have received all the parts indicated above and that they are all in good condition. If the material inside the container (this product and any other accessory included with it) appears damaged from shipping, or if the container shows signs of mishandling, notify the shipper immediately. In addition, retain the container and all the packing material for inspection.

See the *Claims* section in the *Technical Information* chapter.

Text Conventions

Convention	Meaning
<Menu>	A key to be pressed on the fixture's control panel
1~512	A range of values
50/60	A set of values of which only one can be chosen
Settings	A menu option not to be modified (for example, showing the operating mode/current status)
Menu > Settings	A sequence of menu options to be followed
ON	A value to be entered or selected

Icons

Icon	Meaning
	This paragraph contains critical installation, configuration, or operation information. Failure to comply with this information may render the fixture partially or completely inoperative, cause damage to the fixture, or cause harm to the user.
	This paragraph contains important installation or configuration information. Failure to comply with this information may prevent the fixture from functioning correctly.
	This paragraph reminds you of useful, although not critical, information.

Product at a Glance

Internal dimmer	P	Auto Programs	P
Outdoor Use	X	Auto-ranging Power Supply	P
Sound Activated	P	Replaceable Fuse	P
DMX	P	User Serviceable	X
Master/Slave	P	Duty Cycle	X

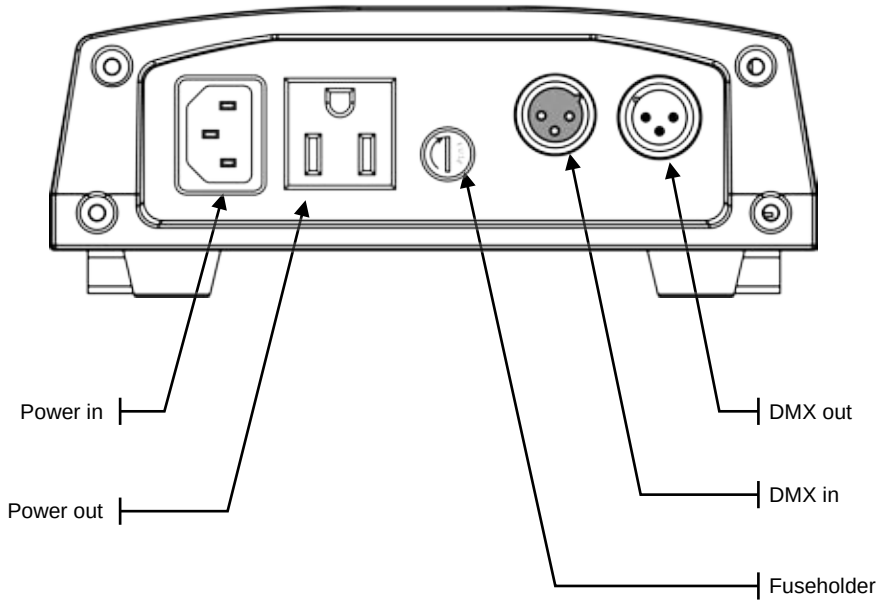
Safety Notes

Please read the following notes carefully because they include important safety information about the installation, usage, and maintenance of this product.

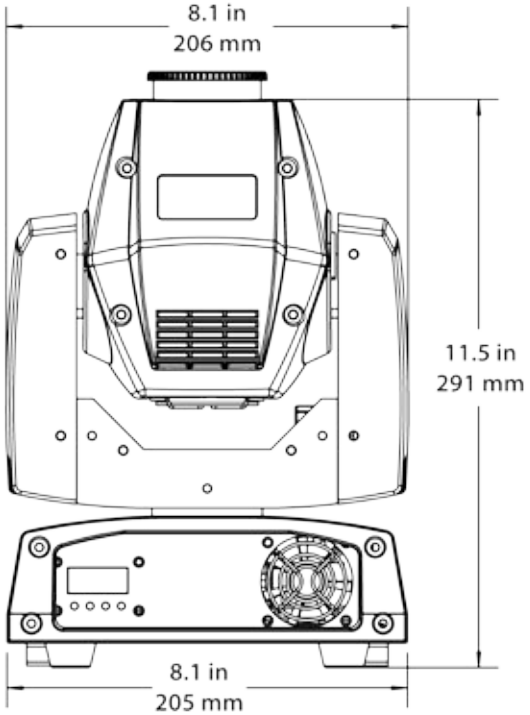
- Keep this User Manual for future consultation. If you sell this product to another user, be sure that they also receive this document.
- Always make sure that the voltage of the outlet to which you are connecting this product is within the range stated on the decal or rear panel of the fixture.
- This product is for indoor use only! To prevent risk of fire or shock, do not expose this fixture to rain or moisture.
- This product is for indoor use. Do not submerge this product.
- Make sure there are no flammable materials close to the unit while operating.
- Always install this product in a location with adequate ventilation, at least 20 in (50 cm) from adjacent surfaces.
- Be sure that no ventilation slots on the unit's housing are blocked.
- Always disconnect this product from the power source before cleaning it or replacing the fuse.
- Make sure to replace the fuse with another of the same type and rating.
- If mounting this product overhead, always secure it to a fastening device using a safety cable.
- The maximum ambient temperature (Ta) is 104° F (40° C). Do not operate this product at higher temperatures.
- In the event of a serious operating problem, stop using the unit immediately.
- Never try to repair this product. Repairs carried out by unskilled people can lead to damage or malfunction. Please contact the nearest authorized technical assistance center.
- Never connect this product to a dimmer pack.
- Make sure the power cord is not crimped or damaged.
- Never disconnect the power cord by pulling or tugging on the cord.
- Never carry a fixture from the power cord or any moving part. Always use the hanging/mounting bracket or the handles.
- Always avoid direct eye exposure to the light source when this fixture is on.

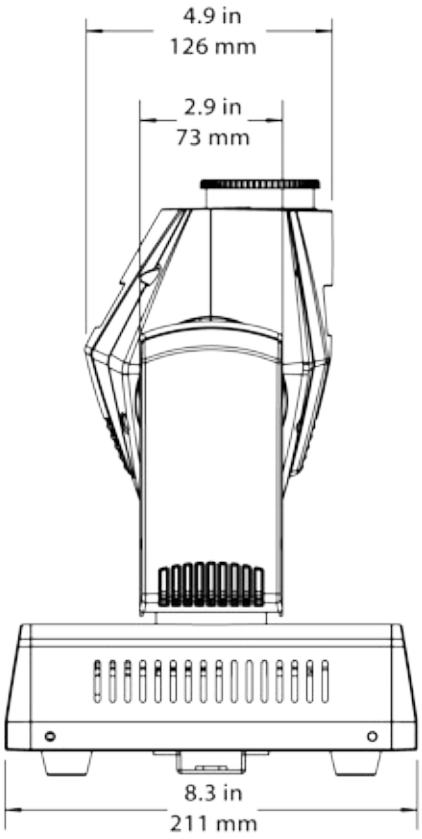
2. INTRODUCTION

Product Overview



Product Dimensions





3. SETUP

AC Power

This product has an auto-ranging power supply and it can work with an input voltage range of 100~240 VAC, 50/60 Hz.

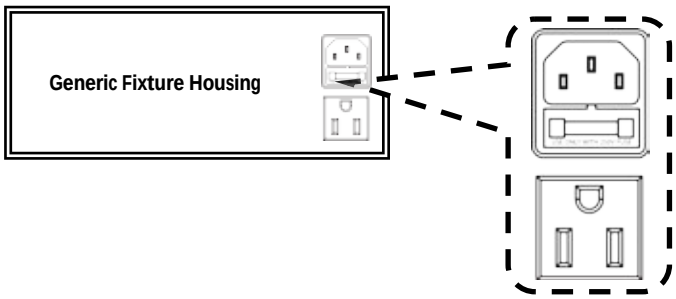
To determine the power requirements for a particular fixture, see the label affixed to the back plate of the fixture or refer to the fixture's specifications chart. A fixture's listed current rating indicates its average current draw under normal conditions.

Always connect this product to a protected circuit (circuit breaker or fuse), making sure that it has an appropriate electrical ground to avoid the risk of electrocution or fire.

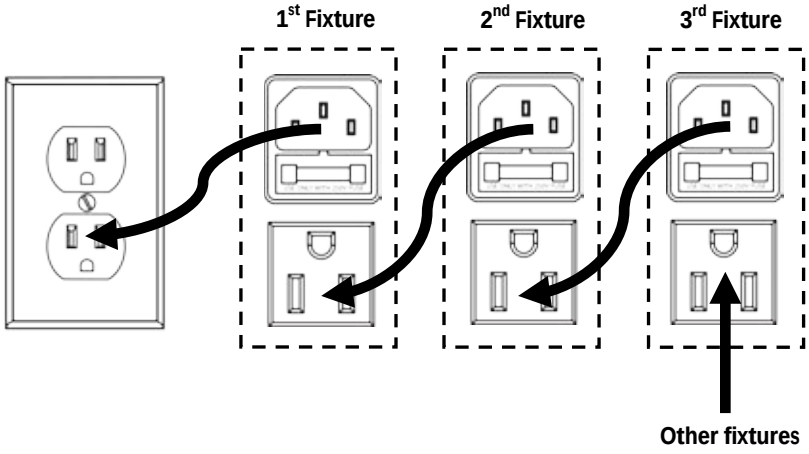
Never connect this product to a rheostat (variable resistor) or dimmer circuit, even if the rheostat or dimmer channel serves only as a 0 to 100% switch.

Power Linking

This fixture provides power linking via the Edison outlet located in the back of the unit. Please see the diagram below for further explanation.



Power Linking Diagram



You can power link up to 11 Intimidator™ Spot LED 150 units on 120 VAC or up to 20 Intimidator™ Spot LED 150 units on 230 VAC.

The power linking diagram shown above corresponds to the North American version of this product ONLY! If using this product in other markets, you must consult with the local CHAUVET® distributor as power linking connectors and requirements may differ in your country or region.

Mounting

Orientation

The Intimidator™ Spot LED 150 may be mounted in any position, provided there is adequate room for ventilation around it.

Rigging

Be sure that the structure onto which you are mounting this product can support its weight. Please see the “Technical Specifications” section of this manual for weight information.

Make sure to mount the fixture securely to a rigging point, whether an elevated platform or a truss.

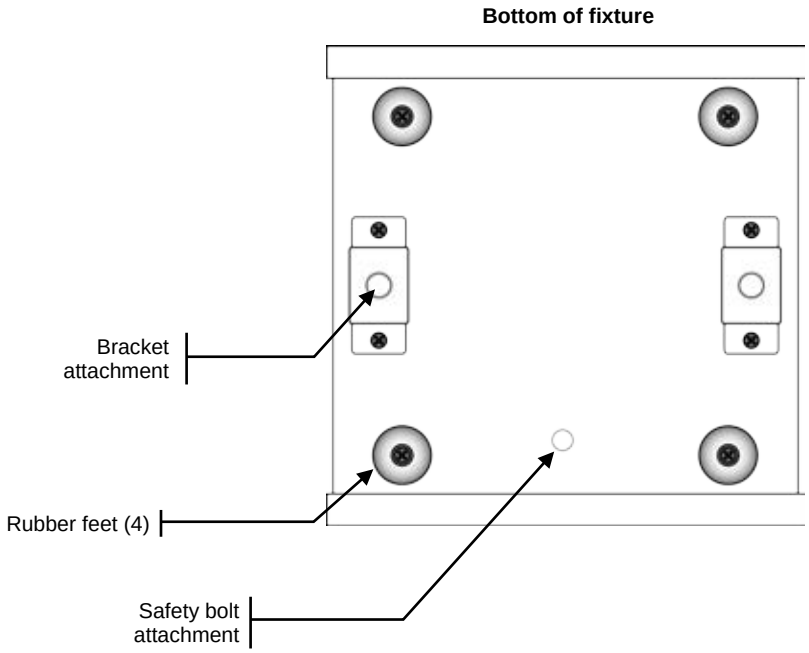
When rigging this product onto a truss, you should use a mounting clamp of appropriate weight capacity. The bracket has a 13 mm hole, which is appropriate for this purpose.

When mounting this product overhead, always use a safety cable.

Before deciding on a location for this product, always make sure that it will be easy to access the unit for maintenance and programming purposes.

When power linking multiple fixtures, you must always consider the length of the power linking cable and mount the fixtures close enough for the cable to reach them.

Mounting Diagram

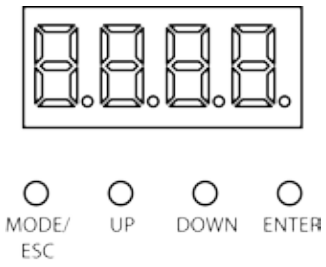


4. OPERATION

Control Panel Operation

To access the control panel functions, use the four buttons located underneath the display.

Button	Function
<MODE/ESC>	Press to find an operation mode or to back out of the current menu option
<UP>	Press to scroll down the list of options or to find a higher value
<DOWN>	Press to scroll up the list of options or to find a lower value
<ENTER>	Press to activate a menu option or a selected value



Menu Map

Mode	Programming Steps		Description
DMX Mode	**d*****	**d001~512**	Selects the DMX starting address
Operating Mode	**NASL**	**SLoU**	Automatic slow
	NAFA	**FASt**	Automatic fast
	NStS	**SrUn**	Sound-active mode
	SLAU	**SonU**	Slave mode
Pan Invert	**Standard pan**	**PAN**	Reverse the pan direction
	Inverted pan	**rPAN**	
Tilt Invert	**Standard tilt**	**tit**	Reverse the tilt direction
	Inverted tilt	**rtit**	
Display Invert	**Standard display**	**dis**	Use this function for hanging the product upside down
	Inverted display	**rdis**	
Personality	**Advanced**	**11CH**	Select the DMX personality
	Basic	**6CH**	
Pan Range	**Pan 540°**	**PA54**	Select the maximum pan range
	Pan 360°	**PA36**	
	Pan 180°	**PA18**	
Tilt Range	**Tilt 270°**	**ti27**	Select the maximum tilt range
	Tilt 180°	**ti18**	
	Tilt 90°	**ti 9**	
Reset	**System reset**	**rESt**	Reset all motors
Load Factory Defaults	**Load default**	**LoAd**	Use this to revert all settings for the fixture back to the factory-defaults values

Menu Map (hidden)

This fixture has a hidden menu. The purpose of this menu is to adjust the home position (electronic adjustment) of the attributes listed below.

Mode	Programming Steps		Description
Pan adjustment	***P******	**P000~255**	Adjust the pan home position
Tilt adjustment	***t******	**t000~255**	Adjust the tilt home position
Gobo wheel adjustment	***G******	**G000~255**	Adjust the gobo wheel home position
Color wheel adjustment	***C******	**C000~255**	Adjust he color wheel home position
LED dimmer threshold	***d******	**d000~255**	Adjust the LED dimming threshold (minimum)

Accessing the Hidden Menu

1) Press and hold **<MODE/ESC>** for at least 10 seconds.
2) Use **<UP>** or **<DOWN>** to input the following access code: **2323**.
3) Press **<ENTER>**.

Configuration (DMX)

Set this product in DMX mode to control it with a DMX controller.

1) Connect this product to a suitable power outlet.
2) Turn this product on.
3) Connect a DMX cable from the DMX output of the DMX controller to the DMX input socket of this product.

Starting Address

When selecting a starting DMX address, always consider the number of DMX channels the selected DMX mode uses. If you choose a starting address that is too high, you could restrict the access to some of the fixture's channels.

The Intimidator™ Spot LED 150 uses up to 11 DMX channels in the advanced personality, which defines the highest configurable address to 502.

If you are not familiar with the DMX protocol, you may refer to the "DMX Primer" section in the *"Technical Information"* chapter.

To select the starting address, do the following:

1) Press **<MODE/ESC>** repeatedly until **d***** shows on the display.
2) Press **<ENTER>**.
3) Use **<UP>** or **<DOWN>** to select the starting address.
4) Press **<ENTER>**.

Configuration (Standalone Modes)

Set this product in one of the standalone modes to control it without a DMX controller.

1) Connect this product to a suitable power outlet.
2) Turn this product on.

Sound Active Mode

To enable the Sound Active mode, do the following:

1) Press **<MODE/ESC>** repeatedly until one of the following shows on the display: **NASL, NAFA, NStS, SLAU**.
2) Use **<UP>** or **<DOWN>** to select **NStS**.
3) Turn the music on.
4) Press **<ENTER>**.

The fixture will only respond to the low frequencies of the music (bass and drums).

Automatic Mode

Never connect a fixture that is operating in any standalone mode, whether Static, Automatic, or Sound to a DMX string connected to a DMX controller. This is because fixtures in standalone mode may transmit DMX signals that could interfere with the DMX signals from the controller.

To enable the Automatic Mode, follow the instructions below:

1) Press **<MODE/ESC>** repeatedly until one of the following shows on the display: **NASL, NAFA, NStS, SLAU**.
2) Use **<UP>** or **<DOWN>** to select **NAFA** (fast) or **NASL** (slow).
4) Press **<ENTER>**.

Master/Slave Mode

This mode allows a single Intimidator™ Spot LED 150 unit (the “master”) to control the actions of one or more Intimidator™ Spot LED 150 units (the “slaves”) without the need of a DMX controller. The master unit will be set to operate in either Automatic or Sound Active mode, while the slave units will be set to operate in Slave Mode. Once set and connected, the slave units will operate in unison with the master unit.

Configure the units as indicated below.

Slave units:

1) Press **<MODE/ESC>** repeatedly until one of the following shows on the display: **NASL**, **NAFA**, **NStS**, **SLAU**.
2) Press **<ENTER>** to accept.
3) Set the DMX address to “001”, as previously explained.
5) Connect the DMX input of the first slave unit to the DMX output of the master unit.
6) Connect the DMX input of the subsequent slave units to the DMX output of the previous slave unit.
7) Finish setting and connecting all the slave units.

Master unit:

1) Set the master unit to operate in either Automatic or Sound mode, as previously indicated.
2) Make the master unit the first unit in the DMX daisy chain.

- **Configure all the slave units before connecting the master unit to the DMX daisy chain.**
- **Never connect a DMX controller to a DMX string configured for Master/Slave operation because it may interfere with the signals from the master unit.**
- **Do not connect more than 31 slave units to the master unit.**

DMX Channel Assignments and Values

11-CH

Channel	Function	Value	Setting
1	Pan	000 ó 255	0~540°
2	Tilt	000 ó 255	0~270°
3	Pan fine	000 ó 255	0~3°
4	Tilt fine	000 ó 255	0~3°
5	Pan/tilt speed	000 ó 255	Fast~slow
6	Color	000 ó 005	Open (white)
		006 ó 011	1 (yellow)
		012 ó 017	2 (magenta)
		018 ó 023	3 (green)
		024 ó 029	4 (red)
		030 ó 035	5 (cyan)
		036 ó 041	6 (orange)
		042 ó 047	7 (blue)
		048 ó 053	8 (light green)
		054 ó 063	9 (light red)
		064 ó 069	White/yellow (split colors)
		070 ó 075	Yellow/magenta (split colors)
		076 ó 081	Magenta/green (split colors)
		082 ó 087	Green/red (split colors)
		088 ó 093	Red/cyan (split colors)
		094 ó 099	Cyan/orange (split colors)
		100 ó 105	Orange/blue (split colors)
		106 ó 111	Blue/light green (split colors)
		112 ó 117	Light green/light red (split colors)
		118 ó 127	Light red/white (split colors)
		128 ó 191	Rotate clockwise (slow~fast)
		192 ó 255	Rotate counter-clockwise (slow~fast)
7	Shutter	000 ó 003	Blackout
		004 ó 007	Open
		008 ó 215	Strobe **(**0.5~20 Hz)
		216 ó 255	Open
8	Dimmer	000 ó 255	0~100%
9	Gobo	000 ó 005	Open
		006 ó 011	Gobo 1
		012 ó 017	Gobo 2
		018 ó 023	Gobo 3
		024 ó 029	Gobo 4
		030 ó 035	Gobo 5
		036 ó 041	Gobo 6
		042 ó 047	Gobo 7
		048 ó 053	Gobo 8
		054 ó 063	Gobo 9
		064 ó 073	Gobo 1 (gobo shake)
		074 ó 079	Gobo 2 (gobo shake)
		080 ó 085	Gobo 3 (gobo shake)
		086 ó 091	Gobo 4 (gobo shake)
		092 ó 097	Gobo 5 (gobo shake)
		098 ó 103	Gobo 6 (gobo shake)
		104 ó 109	Gobo 7 (gobo shake)
		110 ó 115	Gobo 8 (gobo shake)
		116 ó 121	Gobo 9 (gobo shake)
		122 ó 127	Open
		128 ó 191	Rotate clockwise (slow~fast)
		192 ó 255	Rotate counter-clockwise (slow~fast)
10	Control	000 ó 007	No function
		008 ó 027	Enable pan/tilt move-in-black
		028 ó 047	Enable gobo move-in-black
		048 ó 067	Disable pan/tilt/gobo move-in-black
		068 ó 087	Enable color move-in-black
		088 ó 107	Disable pan/tilt/color move-in-black
		108 ó 127	Disable gobo/color move-in-black
		128 ó 147	Disable pan/tilt/gobo/color move-in-black
		148 ó 167	Reset pan
		168 ó 187	Reset tilt
		188 ó 207	Reset color
		208 ó 227	Reset gobo
		228 ó 247	Reset all
		248 ó 255	No function
11	Pan/tilt Movement macros	000 ó 007	No function
		008 ó 023	Automatic movement 1
		024 ó 039	Automatic movement 2
		040 ó 055	Automatic movement 3
		056 ó 071	Automatic movement 4

Continues on the next page

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Channel	Function	Value	Setting
11	Pan/tilt Movement macros	072 ó 087	Automatic movement 5
		088 ó 103	Automatic movement 6
		104 ó 119	Automatic movement 7
		120 ó 135	Automatic movement 8
		136 ó 151	Sound-active movement 1
		152 ó 167	Sound-active movement 2
		168 ó 183	Sound-active movement 3
		184 ó 199	Sound-active movement 4
		200 ó 215	Sound-active movement 5
		216 ó 231	Sound-active movement 6
		232 ó 247	Sound-active movement 7
		248 ó 255	Sound-active movement 8

6-CH

Channel	Function	Value	Setting
1	Pan	000 ó 255	0~540°
2	Tilt	000 ó 255	0~270°
3	Color	000 ó 005	Open (white)
		006 ó 011	1 (yellow)
		012 ó 017	2 (magenta)
		018 ó 023	3 (green)
		024 ó 029	4 (red)
		030 ó 035	5 (cyan)
		036 ó 041	6 (orange)
		042 ó 047	7 (blue)
		048 ó 053	8 (light green)
		054 ó 063	9 (light red)
		064 ó 069	White/yellow (split colors)
		070 ó 075	Yellow/magenta (split colors)
		076 ó 081	Magenta/green (split colors)
		082 ó 087	Green/red (split colors)
		088 ó 093	Red/cyan (split colors)
		094 ó 099	Cyan/orange (split colors)
		100 ó 105	Orange/blue (split colors)
		106 ó 111	Blue/light green (split colors)
		112 ó 117	Light green/light red (split colors)
		118 ó 127	Light red/white (split colors)
		128 ó 191	Rotate clockwise (slow~fast)
		192 ó 255	Rotate counter-clockwise (slow~fast)
4	Shutter	000 ó 003	Blackout
		004 ó 007	Open
		008 ó 215	Strobe **(**0.5~20 Hz)
		216 ó 255	Open
5	Dimmer	000 ó 255	0~100%
6	Gobo	000 ó 005	Open
		006 ó 011	Gobo 1
		012 ó 017	Gobo 2
		018 ó 023	Gobo 3
		024 ó 029	Gobo 4
		030 ó 035	Gobo 5
		036 ó 041	Gobo 6
		042 ó 047	Gobo 7
		048 ó 053	Gobo 8
		054 ó 063	Gobo 9
		064 ó 073	Gobo 1 (gobo shake)
		074 ó 079	Gobo 2 (gobo shake)
		080 ó 085	Gobo 3 (gobo shake)
		086 ó 091	Gobo 4 (gobo shake)
		092 ó 097	Gobo 5 (gobo shake)
		098 ó 103	Gobo 6 (gobo shake)
		104 ó 109	Gobo 7 (gobo shake)
		110 ó 115	Gobo 8 (gobo shake)
		116 ó 121	Gobo 9 (gobo shake)
		122 ó 127	Open
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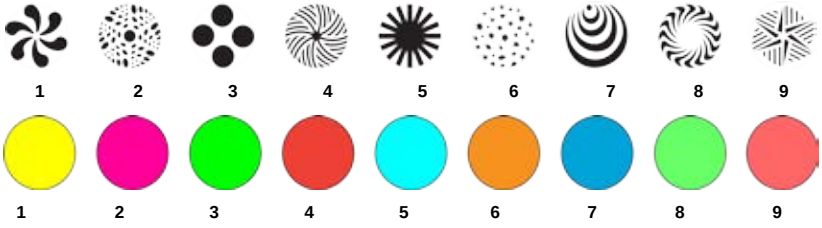

5. TECHNICAL INFORMATION

General Maintenance

Dust build up reduces light output performance and can cause overheating. This can lead to reduction of the light source's life and/or mechanical wear. To maintain optimum performance and minimize wear, you should clean your lighting fixtures at least twice a month. However, be aware that usage and environmental conditions could be contributing factors to increase the cleaning frequency.

To clean this fixture, follow the instructions below:

- Unplug the fixture from power.
- Wait until the fixture is cold.
- Use a vacuum (or dry compressed air) and a soft brush to remove dust collected on the external surface/vents.
- Clean all external optics with a mild soap solution, ammonia-free glass cleaner, or isopropyl alcohol.
- Apply the solution directly to a soft, lint free cotton cloth or a lens cleaning tissue.
- Softly drag any dirt or grime to the outside of the external optics.
- Gently polish the external optics until they are free of haze and lint.

Always dry the external optics carefully after cleaning them.

Do not spin the cooling fans using compressed air because you could damage them.

General Troubleshooting

Symptom	Possible Cause	Possible Action
Circuit breaker or fuse keeps blowing	Excessive load on the circuit	Make sure that the total load does not exceed 80% of the breaker or fuse nominal current
	Short circuit along the power lines	Check the power lines and power cords
Product does not power up	No energy on power outlet	Check power outlet Change to another outlet
	Loose or damaged power cord	Check the power cord
	Blown fuse	Replace blown fuse with a good one of the same type and rating
	Internal problem	Send product for repair
Fixture does not respond to DMX	Wrong starting address on the fixture	Set the correct starting address on the fixture Use the right fader(s) on the controller
	Wrong DMX personality on the fixture	Set the correct DMX fixture's personality Assign the faders accordingly
	Wrong operating mode set on the fixture	Change the fixture settings
	Loose or damaged DMX cable	Check the DMX cable before the faulty unit
	Internal problem	Send product for repair
Intermittent DMX Problems	Signal cables are not DMX compatible	Replace non DMX cables with true DMX cables
	Interference with AC or radio signals	Keep DMX cables away from AC wires or radio equipment
	DMX cable too long	Install an optically coupled DMX amplifier right before the fixture with intermittent problems
	Too many fixtures connected	Install an optically coupled DMX amplifier after unit #32
	Terminator not connected	Install a terminator, as indicated in the "DMX Primer" section.

If you still experience problems after trying the above solutions, contact CHAUVET® Technical Support.

Returns Procedure

The user must send the merchandise prepaid, in the original box, and with its original packing and accessories. CHAUVET® will not issue call tags.

Call CHAUVET® and request a Return Merchandise Authorization Number (RMA #) before shipping the fixture. Be prepared to provide the model number, serial number, and a brief description of the cause for the return.

The user must clearly label the package with an RMA #. CHAUVET® will refuse any product returned without an RMA #.

DO NOT write the RMA # directly on the box. Instead, write it on a properly affixed label.

Once you have received the RMA #, please include the following information on a piece of paper inside the box:

- Your name
- Your address
- Your phone number
- The RMA #
- A brief description of the problem

Be sure to pack the fixture properly. Any shipping damage resulting from inadequate packaging will be the customer's responsibility. As a suggestion, proper UPS packing or double-boxing is always a safe method to use.

CHAUVET® reserves the right to use its own discretion to repair or replace returned product(s).

Claims

The carrier is responsible for any damage incurred during shipping to this product or any part that shipped with it. Therefore, if the received merchandise appears to have damages caused during shipping, the customer must submit the damage report and any related claims with the carrier, not CHAUVET®. The customer must submit the report upon reception of the damaged merchandise. Failure to do so in a timely manner may invalidate the customer's claim with the carrier.

For other issues such as missing components or parts, damage not related to shipping, or concealed damage, the customer must make claims to CHAUVET® within seven (7) days of receiving the merchandise.

Contact Information

World Headquarters

CHAUVET®

General Information

Address:	5200 NW 108th Avenue Sunrise, FL 33351
Voice:	(954) 929-1115
Fax:	(954) 929-5560
Toll free:	(800) 762-1084

Technical Support

Voice:	(954) 929-1115 (Press **4**)
Fax:	(954) 756-8015
Email:	tech@chauvetlighting.com

World Wide Web

www.chauvetlighting.com

United Kingdom & Ireland

CHAUVET® Europe Ltd.

General Information

Address:	Unit 1C Brookhill Road Industrial Estate Pinxton, Nottingham, UK NG16 6NT
Voice:	+44 (0)1773 511115
Fax:	+44 (0)1773 511110

Technical Support

Email:	uktech@chauvetlighting.com

World Wide Web

www.chauvetlighting.co.uk

6. TECHNICAL SPECIFICATIONS

Dimensions and Weight

Length	Width	Height	Weight
8.1 in (205 mm)	8.3 in (211 mm)	11.5 in (291 mm)	9.3 lbs (4.2 kg)

Note: Dimensions in inches rounded to the nearest decimal digit.

Power

Power Supply Type	Range	Voltage Selection
Switching (internal)	100~240 V, 50/60 Hz	Auto-ranging

Parameter	120 V, 60 Hz	230 V, 50 Hz (Europe only)
Consumption	54 W (0.7 A)	91 W (0.4 A)

Power I/O	Input	Output
Connectors	IEC	Edison
Cord plug	Edison	N/A

Light Source

Type	Power	Lifespan
LED	25 W (1.5 A)	50,000 hours

Color	Quantity	LED Drive Current
White	1	3.6 mA

Photo Optic

Parameter	Narrow Lenses
Illuminance @ 1 m	14,200 lux
Illuminance @ 2 m	2,714 lux
Beam angle	15º

Thermal

Maximum External Temp.	Cooling System
104° F (40° C)	Fan cooled

DMX

I/O Connectors	Connector Type	Channel Range
3-pin XLR	Sockets	6, 11

Ordering

Item No.	Item Name	Item Code
INTIMSPOTLED150	Intimidator™ Spot LED 150	08010176